

NEWS 15 JAN 29 CAS Registry Number crossover limit increased to 300,000 in multiple databases  
 NEWS 16 FEB 15 PATDPASPC enhanced with Drug Approval numbers  
 NEWS 17 FEB 15 RUSSIAPAT enhanced with pre-1994 records  
 NEWS 18 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality  
 NEWS 19 FEB 26 MEDLINE reloaded with enhancements  
 NEWS 20 FEB 26 EMBASE enhanced with Clinical Trial Number field  
 NEWS 21 FEB 26 TOXCENTER enhanced with reloaded MEDLINE  
 NEWS 22 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements  
 NEWS 23 FEB 26 CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases  
 NEWS 24 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format  
 NEWS 25 MAR 16 CASREACT coverage extended  
 NEWS 26 MAR 20 MARPAT now updated daily

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
 NEWS LOGIN Welcome Banner and News Items  
 NEWS IPC8 For general information regarding STN implementation of IPC 8  
 NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:15:32 ON 21 MAR 2007

=> file reg

---Logging off of STN---

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:15:42 ON 21 MAR 2007  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 MAR 2007 HIGHEST RN 927525-36-8  
 DICTIONARY FILE UPDATES: 19 MAR 2007 HIGHEST RN 927525-36-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Executing the logoff script...

=> LOG Y

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	DEC 18	CA/CAPLUS pre-1967 chemical substance index entries enhanced with preparation role
NEWS	4	DEC 18	CA/CAPLUS patent kind codes updated
NEWS	5	DEC 18	MARPAT to CA/CAPLUS accession number crossover limit increased to 50,000
NEWS	6	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS	7	DEC 27	CA/CAPLUS enhanced with more pre-1907 records
NEWS	8	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	9	JAN 16	CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS	10	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	11	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	12	JAN 22	CA/CAPLUS updated with revised CAS roles
NEWS	13	JAN 22	CA/CAPLUS enhanced with patent applications from India
NEWS	14	JAN 29	PHAR reloaded with new search and display fields
NEWS	15	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	16	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	17	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	18	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	19	FEB 26	MEDLINE reloaded with enhancements
NEWS	20	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS	21	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	22	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	23	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS	24	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS	25	MAR 16	CASREACT coverage extended
NEWS	26	MAR 20	MARPAT now updated daily
NEWS	EXPRESS		NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS	HOURS		STN Operating Hours Plus Help Desk Availability
NEWS	LOGIN		Welcome Banner and News Items

NEWS IPC8        For general information regarding STN implementation of IPC 8  
NEWS X25        X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:16:16 ON 21 MAR 2007

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:16:24 ON 21 MAR 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 MAR 2007 HIGHEST RN 927525-36-8  
DICTIONARY FILE UPDATES: 19 MAR 2007 HIGHEST RN 927525-36-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

```
=> s KAKAGAGSATLSMAYAGARFVFSLV DAMNGKEGVVECSFVKSQETECTYFSTPLLLGKKGIEKNLGIGKVSS
    /SQSP
L1      25 KAKAGAGSATLSMAYAGARFVFSLV DAMNGKEGVVECSFVKSQETECTYFSTPLLLGKKGIEKN
        LGIGKVSS                      /SQSP
```

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	29.80	30.01

FILE 'CAPLUS' ENTERED AT 12:16:48 ON 21 MAR 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December

26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 21 Mar 2007 VOL 146 ISS 13  
FILE LAST UPDATED: 20 Mar 2007 (20070320/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 11

L2 20 L1

=> s 12 not py>2002

5053689 PY>2002

L3 2 L2 NOT PY>2002

=> d ibib kwic 1-2

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:18945 CAPLUS

DOCUMENT NUMBER: 138:67676

TITLE: Generation and initial analysis of more than 15,000

full-length human and mouse cDNA sequences

AUTHOR(S): Strausberg, Robert L.; Feingold, Elise A.; Grouse, Lynnette H.; Derge, Jeffery G.; Klausner, Richard D.; Collins, Francis S.; Wagner, Lukas; Shenmen, Carolyn M.; Schuler, Gregory D.; Altschul, Stephen F.; Zeeberg, Barry; Buetow, Kenneth H.; Schaefer, Carl F.; Bhat, Narayan K.; Hopkins, Ralph F.; Jordan, Heather; Moore, Troy; Max, Steve I.; Wang, Jun; Hsieh, Florence; Diatchenko, Luda; Marusina, Kate; Farmer, Andrew A.; Rubin, Gerald M.; Hong, Ling; Stapleton, Mark; Soares, M. Bento; Bonaldo, Maria F.; Casavant, Tom L.; Scheetz, Todd E.; Brownstein, Michael J.; Usdin, Ted B.; Toshiyuki, Shiraki; Carninci, Piero; Prange, Christa; Raha, Sam S.; Loquellano, Naomi A.; Peters, Garrick J.; Abramson, Rick D.; Mullahy, Sara J.; Bosak, Stephanie A.; McEwan, Paul J.; McKernan, Kevin J.; Malek, Joel A.; Gunaratne, Preethi H.; Richards, Stephen; Worley, Kim C.; Hale, Sarah; Garcia, Angela M.; Gay, Laura J.; Hulyk, Stephen W.; Villalon, Debbie K.; Muzny, Donna M.; Sodergren, Erica J.; Lu, Xiuhua; Gibbs, Richard A.; Fahey, Jessica; Helton, Erin; Kettelman, Mark; Madan, Anuradha; Rodrigues, Stephanie; Sanchez, Amy; Whiting, Michelle; Madan, Anup; Young, Alice C.; Shevchenko, Yuriy; Bouffard, Gerard G.; Blakesley, Robert W.; Touchman, Jeffrey W.; Green, Eric D.; Dickson, Mark C.; Rodriguez, Alex C.; Grimwood, Jane; Schmutz, Jeremy; Myers, Richard M.; Butterfield, Yaron S. N.; Krzywinski, Martin I.; Skalska, Ursula; Smailus, Duane E.; Schnerch, Angelique; Schein, Jacqueline E.; Jones, Steven J. M.; Marra, Marco A.

CORPORATE SOURCE: National Cancer Institute, NIH, Bethesda, MD, 20892-2580, USA

SOURCE: Proceedings of the National Academy of Sciences of the United States of America (2002), 99(26), 16899-16903  
CODEN: PNASA6; ISSN: 0027-8424

PUBLISHER: National Academy of Sciences

DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT	480737-29-9	480737-30-2	480737-31-3	480737-32-4	480737-33-5
	480737-34-6	480737-35-7	480737-36-8	480737-38-0	480737-39-1
	480737-40-4	480737-41-5	480737-42-6	480737-43-7	480737-44-8
	480737-46-0	480737-47-1	480737-48-2	480737-49-3	480737-50-6
	480737-51-7	480737-52-8	480737-53-9	480737-54-0	480737-55-1
	480737-56-2	480737-57-3	480737-58-4	480737-60-8	480737-61-9
	480737-62-0	480737-63-1	480737-64-2	480737-65-3	480737-66-4
	480737-67-5	480737-68-6	480737-69-7	480737-71-1	480737-72-2
	480737-74-4	480737-75-5	480737-76-6	480737-77-7	480737-78-8
	480737-79-9	480737-80-2	480737-81-3	480737-82-4	480737-83-5
	480737-84-6	480737-85-7	480737-86-8	480737-87-9	480737-89-1
	480737-90-4	480737-91-5	480737-92-6	480737-93-7	480737-94-8
	480737-95-9	480737-96-0	480737-97-1	480737-98-2	480737-99-3
	480738-00-9	480738-01-0	480738-02-1	480738-03-2	480738-04-3
	480738-05-4	480738-06-5	480738-07-6	480738-08-7	480738-09-8
	480738-10-1	480738-11-2	480738-12-3	480738-13-4	480738-14-5
	480738-15-6	480738-16-7	480738-17-8	480738-18-9	480738-19-0
	480738-20-3	480738-21-4	480738-22-5	480738-23-6	480738-24-7
	480738-25-8	480738-26-9	480738-27-0	480738-29-2	480738-30-5
	480738-31-6	480738-35-0	480738-37-2	480738-38-3,	GenBank AAH02325
	480738-39-4	480738-40-7	480738-42-9	480738-44-1	480738-45-2
	480738-46-3	480738-47-4	480738-49-6	480738-50-9	480738-51-0
	480738-52-1	480738-53-2	480738-54-3	480738-55-4	480738-56-5
	480738-57-6	480738-58-7	480738-59-8	480738-60-1	480738-61-2
	480738-62-3	480738-63-4	480738-64-5	480738-65-6	480738-66-7
	480738-67-8	480738-68-9	480738-69-0	480738-70-3	480738-71-4
	480738-72-5	480738-73-6	480738-74-7	480738-75-8	480738-76-9
	480738-77-0	480738-78-1	480738-79-2	480738-80-5	480738-81-6
	480738-82-7	480738-83-8	480738-84-9	480738-85-0	480738-87-2
	480738-88-3	480738-89-4	480738-90-7	480738-91-8	480738-92-9
	480738-93-0	480738-94-1	480738-95-2	480738-96-3	480738-97-4
	480738-98-5	480738-99-6	480739-00-2	480739-01-3	480739-02-4
	480739-03-5	480739-04-6	480739-05-7	480739-06-8	480739-07-9
	480739-08-0	480739-09-1	480739-10-4	480739-11-5	480739-12-6
	480739-13-7	480739-14-8	480739-15-9	480739-16-0	480739-17-1
	480739-18-2	480739-19-3	480739-20-6	480739-21-7	480739-22-8
	480739-23-9	480739-24-0	480739-25-1	480739-26-2	480739-27-3
	480739-28-4	480739-29-5	480739-30-8	480739-32-0	480739-33-1
	480739-34-2	480739-35-3	480739-36-4	480739-37-5	480739-38-6
	480739-39-7	480739-40-0	480739-41-1	480739-42-2	480739-43-3
	480739-44-4	480739-45-5	480739-46-6	480739-47-7	480739-48-8
	480739-49-9	480739-50-2	480739-52-4	480739-53-5	480739-54-6
	480739-55-7	480739-56-8	480739-57-9	480739-59-1	480739-60-4
	480739-61-5	480739-62-6	480739-63-7	480739-64-8	480739-65-9
	480739-66-0	480739-67-1	480739-68-2	480739-69-3	480739-70-6
	480739-71-7	480739-72-8	480739-73-9	480739-74-0	480739-75-1
	480739-76-2	480739-77-3	480739-78-4	480739-79-5	480739-80-8
	480739-81-9	480739-82-0	480739-83-1		

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
 (Biological study)  
 (amino acid sequence; generation and initial anal. of more than 15,000  
 full-length human and mouse cDNA sequences)

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2001:592185 CAPLUS  
 DOCUMENT NUMBER: 135:177271  
 TITLE: Cloning, sequencing and therapeutic use of human  
 mitochondrial malate dehydrogenase  
 INVENTOR(S): Bandman, Olga; Corley, Neil C.; Shah, Purvi  
 PATENT ASSIGNEE(S): Incyte Genomics, Inc., USA  
 SOURCE: U.S., 34 pp.

CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6274138	B1	20010814	US 1997-922957	19970903
US 2002086006	A1	20020704	US 2001-915694	20010725
PRIORITY APPLN. INFO.:			US 1997-922957	A3 19970903

REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

IT 354641-72-8DP, subfragments are claimed  
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(amino acid sequence; cloning, sequencing and therapeutic use of human mitochondrial malate dehydrogenase)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.46	36.47

FILE 'REGISTRY' ENTERED AT 12:18:33 ON 21 MAR 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 MAR 2007 HIGHEST RN 927525-36-8  
DICTIONARY FILE UPDATES: 19 MAR 2007 HIGHEST RN 927525-36-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> S 354641-72-8/RN

L4 1 354641-72-8/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND  
SET COMMAND COMPLETED

=> D L4 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y  
THE ESTIMATED COST FOR THIS REQUEST IS 6.55 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 354641-72-8 REGISTRY  
CN Dehydrogenase, malate (human Incyte clone 11587 mitochondria-associated)  
(9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1: PN: US6274138 SEQID: 1 claimed protein  
FS PROTEIN SEQUENCE  
SQL 338

PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
Not Given	US6274138
	claimed
	SEQID 1

SEQ 1 MLSALARPAS AALRRSFSTS AQNNAKVAVL GASGGIGQPL SLLLKNSPLV  
51 SRLTLYDIAH TPGVAADLSH IETKAAVKGY LGPEQLPDCL KGCDVVVIPA  
101 GVPRKPGMTR DDLFNTNATI VATLTAACAQ HCPEAMICVI ANPVNSTIPI  
151 TAEVFKKHGV YNPKNIFGVT TLDIVRANTF VAEKGLDPA RVNVPVIGGH  
201 AGKTIIPPLIS QCTPKVDFPQ DQLTALTGRI QEAGTEVVKA KAGAGSATLS  
251 MAYAGARFVF SLVDAMNGKE GVVECSFVKS QETECTYFST PLLLGKKGIE  
301 KNLGIGKVSS FEEKMISDAI PELKASIKKG EDFVKTLK

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF Unspecified  
CI MAN  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL  
DT.CA Caplus document type: Patent  
RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)  
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND  
SET COMMAND COMPLETED

=>

=> d his

(FILE 'HOME' ENTERED AT 12:16:16 ON 21 MAR 2007)

FILE 'REGISTRY' ENTERED AT 12:16:24 ON 21 MAR 2007

L1 25 S KAKAGAGSATLSMAYAGARFVFSLVDMNGKEGVVECSFVKSQETECTYFSTPLLLGKKGI

FILE 'CAPLUS' ENTERED AT 12:16:48 ON 21 MAR 2007

L2 20 S L1

L3 2 S L2 NOT PY>2002

FILE 'REGISTRY' ENTERED AT 12:18:33 ON 21 MAR 2007

L4 1 S 354641-72-8/RN  
SET NOTICE 1 DISPLAY  
SET NOTICE LOGIN DISPLAY

=> s l4 adn l1  
MISSING OPERATOR

=> s 14 and 11  
L5 1 L4 AND L1

=> d sql

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
SQL 338

=> d seq

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

```
SEQ      1  MLSALARPAS  AALRRSFSTS  AQNNAKVAVL  GASGGIGQPL  SLLLKNSPLV
      51  SRLTLYDIAH  TPGVAADLSH  IETKAAVKGY  LGPEQLPDCL  KGCDVVVIPA
     101  GVPRKPGMTR  DDLFNTNATI  VATLTAACAQ  HCPEAMICVI  ANPVNSTIPI
     151  TAEVFKKHGV  YNPKNIFGVT  TLDIVRANTF  VAEKGLDPA  RVNVPVIGGH
     201  AGKTIIP LIS  QCTPKVDFPQ  DQLTALTGRI  QEAGTEVVKA  KAGAGSATLS
                                     == =====
     251  MAYAGARFVF  SLVDAMNGKE  GVVECSFVKS  QETECTYFST  PLLLGKKGIE
      =====
     301  KNLGIGKVSS  FEEKMISDAI  PELKASIKKG  EDFVKTLK
      =====
```

HITS AT: 239-310

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

=>

---Logging off of STN---

=>  
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	15.27	51.74

STN INTERNATIONAL LOGOFF AT 12:22:30 ON 21 MAR 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:  
TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America



NEWS 2 "Ask CAS" for self-help around the clock  
 NEWS 3 DEC 18 CA/CAPplus pre-1967 chemical substance index entries enhanced  
 with preparation role  
 NEWS 4 DEC 18 CA/CAPplus patent kind codes updated  
 NEWS 5 DEC 18 MARPAT to CA/CAPplus accession number crossover limit increased  
 to 50,000  
 NEWS 6 DEC 18 MEDLINE updated in preparation for 2007 reload  
 NEWS 7 DEC 27 CA/CAPplus enhanced with more pre-1907 records  
 NEWS 8 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals  
 NEWS 9 JAN 16 CA/CAPplus Company Name Thesaurus enhanced and reloaded  
 NEWS 10 JAN 16 IPC version 2007.01 thesaurus available on STN  
 NEWS 11 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data  
 NEWS 12 JAN 22 CA/CAPplus updated with revised CAS roles  
 NEWS 13 JAN 22 CA/CAPplus enhanced with patent applications from India  
 NEWS 14 JAN 29 PHAR reloaded with new search and display fields  
 NEWS 15 JAN 29 CAS Registry Number crossover limit increased to 300,000 in  
 multiple databases  
 NEWS 16 FEB 15 PATDPASPC enhanced with Drug Approval numbers  
 NEWS 17 FEB 15 RUSSIAPAT enhanced with pre-1994 records  
 NEWS 18 FEB 23 KOREAPAT enhanced with IPC 8 features and functionality  
 NEWS 19 FEB 26 MEDLINE reloaded with enhancements  
 NEWS 20 FEB 26 EMBASE enhanced with Clinical Trial Number field  
 NEWS 21 FEB 26 TOXCENTER enhanced with reloaded MEDLINE  
 NEWS 22 FEB 26 IFICDB/IFIPAT/IFIUDB reloaded with enhancements  
 NEWS 23 FEB 26 CAS Registry Number crossover limit increased from 10,000  
 to 300,000 in multiple databases  
 NEWS 24 MAR 15 WPIDS/WPIX enhanced with new FRAGHITSTR display format  
 NEWS 25 MAR 16 CASREACT coverage extended  
 NEWS 26 MAR 20 MARPAT now updated daily

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT  
 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
 AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
 NEWS LOGIN Welcome Banner and News Items  
 NEWS IPC8 For general information regarding STN implementation of IPC 8  
 NEWS X25 X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that  
 specific topic.

All use of STN is subject to the provisions of the STN Customer  
 agreement. Please note that this agreement limits use to scientific  
 research. Use for software development or design or implementation  
 of commercial gateways or other similar uses is prohibited and may  
 result in loss of user privileges and other penalties.

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:23:05 ON 21 MAR 2007

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 12:23:15 ON 21 MAR 2007  
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
 COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
 provided by InfoChem.

STRUCTURE FILE UPDATES: 19 MAR 2007 HIGHEST RN 927525-36-8  
DICTIONARY FILE UPDATES: 19 MAR 2007 HIGHEST RN 927525-36-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s KAKAGAGSATLSMAYAGARFVFSLV DAMNGKEGVVECSFVKSQETECTYFSTPLLLGKKGIEKNLGIGKVSS/SASP  
'SASP' IS NOT A VALID FIELD CODE

L1 0 KAKAGAGSATLSMAYAGARFVFSLV DAMNGKEGVVECSFVKSQETECTYFSTPLLLGKKGIEKN  
LGIGKVSS/SASP

=> s KAKAGAGSATLSMAYAGARFVFSLV DAMNGKEGVVECSFVKSQETECTYFSTPLLLGKKGIEKNLGIGKVSS/SQsp  
L2 25 KAKAGAGSATLSMAYAGARFVFSLV DAMNGKEGVVECSFVKSQETECTYFSTPLLLGKKGIEKN  
LGIGKVSS/SQSP

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	29.80	30.01

FILE 'CAPLUS' ENTERED AT 12:23:42 ON 21 MAR 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is  
held by the publishers listed in the PUBLISHER (PB) field (available  
for records published or updated in Chemical Abstracts after December  
26, 1996), unless otherwise indicated in the original publications.  
The CA Lexicon is the copyrighted intellectual property of the  
American Chemical Society and is provided to assist you in searching  
databases on STN. Any dissemination, distribution, copying, or storing  
of this information, without the prior written consent of CAS, is  
strictly prohibited.

FILE COVERS 1907 - 21 Mar 2007 VOL 146 ISS 13  
FILE LAST UPDATED: 20 Mar 2007 (20070320/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.  
They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l2  
L3 20 L2

=> s l3 not py>2003  
4002477 PY>2003  
L4 3 L3 NOT PY>2003

=> d ibib 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:942764 CAPLUS  
 DOCUMENT NUMBER: 140:3792  
 TITLE: Genes expressed in atherosclerotic tissue and their use in diagnosis and pharmacogenetics  
 INVENTOR(S): Nevins, Joseph; West, Mike; Goldschmidt, Pascal  
 PATENT ASSIGNEE(S): Duke University, USA  
 SOURCE: PCT Int. Appl., 408 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 5  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003091391	A2	20031106	WO 2002-XA38221	20021112
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
WO 2003091391	A2	20031106	WO 2002-US38221	20021112
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 2002-374547P	P 20020423
			US 2002-420784P	P 20021024
			US 2002-421043P	P 20021025
			US 2002-424680P	P 20021108
			WO 2002-US38221	A 20021112

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2003:18945 CAPLUS  
 DOCUMENT NUMBER: 138:67676  
 TITLE: Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences  
 AUTHOR(S): Strausberg, Robert L.; Feingold, Elise A.; Grouse, Lynette H.; Derge, Jeffery G.; Klausner, Richard D.; Collins, Francis S.; Wagner, Lukas; Shenmen, Carolyn M.; Schuler, Gregory D.; Altschul, Stephen F.; Zeeberg, Barry; Buetow, Kenneth H.; Schaefer, Carl F.; Bhat, Narayan K.; Hopkins, Ralph F.; Jordan, Heather; Moore, Troy; Max, Steve I.; Wang, Jun; Hsieh, Florence; Diatchenko, Luda; Marusina, Kate; Farmer, Andrew A.; Rubin, Gerald M.; Hong, Ling; Stapleton, Mark; Soares, M. Bento; Bonaldo, Maria F.; Casavant, Tom L.; Scheetz, Todd E.; Brownstein, Michael J.; Usdin, Ted B.; Toshiyuki, Shiraki; Carninci, Piero; Prange, Christa; Raha, Sam S.; Loquellano, Naomi A.; Peters, Garrick J.; Abramson, Rick D.; Mullahy, Sara J.; Bosak, Stephanie A.; McEwan, Paul J.; McKernan, Kevin J.; Malek, Joel A.; Gunaratne, Preethi H.; Richards, Stephen; Worley, Kim C.; Hale, Sarah; Garcia, Angela M.; Gay, Laura J.; Hulyk, Stephen W.; Villalon, Debbie K.; Muzny, Donna M.; Sodergren, Erica

J.; Lu, Xiuhua; Gibbs, Richard A.; Fahey, Jessica;  
 Helton, Erin; Kettelman, Mark; Madan, Anuradha;  
 Rodrigues, Stephanie; Sanchez, Amy; Whiting, Michelle;  
 Madan, Anup; Young, Alice C.; Shevchenko, Yuriy;  
 Bouffard, Gerard G.; Blakesley, Robert W.; Touchman,  
 Jeffrey W.; Green, Eric D.; Dickson, Mark C.;  
 Rodriguez, Alex C.; Grimwood, Jane; Schmutz, Jeremy;  
 Myers, Richard M.; Butterfield, Yaron S. N.;  
 Krzywinski, Martin I.; Skalska, Ursula; Smailus, Duane  
 E.; Schnerch, Angelique; Schein, Jacqueline E.; Jones,  
 Steven J. M.; Marra, Marco A.  
 CORPORATE SOURCE: National Cancer Institute, NIH, Bethesda, MD,  
 20892-2580, USA  
 SOURCE: Proceedings of the National Academy of Sciences of the  
 United States of America (2002), 99(26), 16899-16903  
 CODEN: PNASA6; ISSN: 0027-8424  
 PUBLISHER: National Academy of Sciences  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2001:592185 CAPLUS  
 DOCUMENT NUMBER: 135:177271  
 TITLE: Cloning, sequencing and therapeutic use of human  
 mitochondrial malate dehydrogenase  
 INVENTOR(S): Bandman, Olga; Corley, Neil C.; Shah, Purvi  
 PATENT ASSIGNEE(S): Incyte Genomics, Inc., USA  
 SOURCE: U.S., 34 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6274138	B1	20010814	US 1997-922957	19970903
US 2002086006	A1	20020704	US 2001-915694	20010725
PRIORITY APPLN. INFO.:			US 1997-922957	A3 19970903
REFERENCE COUNT:	15	THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

=> d kwic 1

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
 IT 480917-91-7 480917-95-1 480919-09-3 480919-29-7, CAGF28 (human)  
 480919-95-7, Brachyury (human gene TBX1) 480919-98-0, Cbf5p (human cell  
 line HeLa gene CBF5) 480919-99-1 480920-09-0, GenBank AAB94761  
 480920-38-5, GenBank AAB96655 480920-71-6, Mad4 (human gene Mad4)  
 480921-77-5, Complement component C2 (human gene C2) 480922-00-7,  
 GenBank AAB99730 480922-06-3 480922-10-9, BC-2 protein (human)  
 480922-11-0, Cyclophilin-33B (human gene CYP-33) 480922-49-4, Mucin  
 (human gene MUC3) 480924-07-0 480924-12-7 480924-20-7,  
 Transcription factor LZIP (human) 480924-63-8 480924-67-2  
 480924-69-4, GenBank AAC05601 480924-79-6, SSX4 (human gene SSX4)  
 480924-98-9 480926-14-5 480926-28-1 480926-38-3 480926-40-7  
 480926-41-8 480926-42-9 480926-43-0 480927-06-8 480927-23-9  
 480928-15-2, GenBank AAC15791 480928-16-3 480929-54-2 480929-55-3  
 480929-66-6, Sorting nexin 2 (human gene SNX2) 480929-83-7 480929-92-8  
 480931-06-4 480931-07-5 480931-08-6 480931-09-7 480931-79-1  
 480932-16-9 480932-18-1 480932-19-2 480932-69-2, GenBank AAC26109  
 480933-21-9 480933-35-5 480933-36-6 480933-45-7, PLE21 protein

(human gene ple21) 480933-46-8 480933-64-0, GenBank AAC28644  
 480934-15-4, Nucleoplasmin-3 (human gene NPM3) 480934-16-5,  
 Lysophospholipase (human gene LPL1) 480934-44-9, Protein (human gene  
 JH8) 480934-77-8, ATPase (human) 480934-93-8, GenBank AAC33132  
 480935-42-0, GenBank AAC34245 480935-86-2 480935-99-7, DNA repair  
 exonuclease (human gene REC1) 480936-36-5 480936-86-5, Cullin 1 (human  
 cell line HeLa) 480936-95-6, Molecular chaperone DnaJ (human)  
 480937-06-2, Protein (human gene NAP) 480937-27-7 480937-28-8  
 480937-37-9, Phosphomevalonate kinase (human) 480937-40-4 480938-12-3  
 480938-75-8, Kallistatin (human gene PI4) 480938-96-3 480938-99-6  
 480939-09-1, GenBank AAC41749 480939-14-8 480940-77-0, GenBank  
 AAC41930 480940-78-1, GenBank AAC41931 480940-88-3 480941-34-2  
 480941-37-5 480941-39-7 480941-43-3 480941-52-4, Trio isoform  
 (human) 480941-62-6 480941-63-7, P47 LBC oncogene (human clone 9a2)  
 480941-65-9 480942-01-6, SLP-76 (human) 480942-04-9 480942-30-1  
 480942-66-3 480942-70-9 480943-40-6 480943-41-7 480943-46-2  
 480943-51-9, Protein RGP4 (human) 480943-57-5 480943-68-8  
 480943-84-8 480944-02-3, Protein B (human cell line HT-1080)  
 480944-09-0, Metaxin (human gene MTX) 480944-41-0, Hs-CUL-1 (human gene  
 Hs-cul-1) 480944-46-5, BA46 (human) 480944-70-5 480944-71-6  
 480945-09-3 480945-16-2 480945-17-3, DNA polymerase gamma (human)  
 480945-22-0, STAM (human) 480945-23-1, LIM protein (human gene LPP)  
 480946-18-7, FUSE binding protein 3 (human gene FBP3) 480946-29-0,  
 GenBank AAC50955 480946-82-5 480947-84-0 480948-05-8, C2H2-150  
 (human) 480948-26-3, Uncoupling protein 3, UCP3S (human) 480948-28-5,  
 GenBank AAC51360 480948-30-9, Phosphomannomutase (human gene PMM2)  
 480950-82-1, Zinc finger protein (human clone PRD51) 480951-45-9, Dead  
 box, Y isoform (human gene DBY) 480951-46-0 480952-58-7 480953-12-6,  
 G-protein coupled receptor RE2 (human) 480953-60-4, Protein UP50 (human  
 urine) 480953-61-5, GenBank AAC62108 480953-69-3, GenBank AAC62428  
 480953-76-2 480953-89-7 480954-43-6 480954-51-6 480954-63-0,  
 Gamma2-adaptin (human gene G2AD) 480956-14-7, GenBank AAC70911  
 480956-29-4 480956-30-7, GenBank AAC72105 480956-35-2 480958-09-6,  
 Protein (human clone 559 125-amino acid) 480958-16-5, Protein (human  
 clone 638 198-amino acid) 480958-17-6, GenBank AAC72956 480958-22-3,  
 GenBank AAC72961 480958-31-4 480958-60-9, GenBank AAC79844  
 480959-13-5 481118-85-8 481122-86-5, AML1c protein (human gene AML1)  
 481122-88-7, AML1b protein (human gene AML1) 481123-11-9, VAMP5 (human)  
 481123-58-4 481123-89-1 481125-18-2 481125-24-0, GenBank AAD00702  
 481125-83-1, GenBank AAD01614 481126-46-9 481126-50-5, GenBank  
 AAD02203 481126-60-7 481126-75-4, GenBank AAD03161 481126-84-5, AP-3  
 complex sigma3A subunit (human) 481127-04-2 481128-89-6, GenBank  
 AAA66020 481128-90-9 481129-26-4 481129-29-7 481129-30-0  
 481129-37-7 481129-39-9 481129-47-9 481129-53-7 481129-54-8  
 481129-60-6, GenBank BAA34787 481130-03-4 481131-07-1, Protein (human  
 gene HRIHFB2157) 481131-19-5, Protein MD-1 (human) 481131-62-8  
 481131-82-2 481132-35-8 481132-38-1 481132-48-3 481132-99-4  
 481133-00-0, Fln29 (human gene fln29) 481133-01-1, GenBank BAA78640  
 481133-20-4, DEPP (human gene DEPP) 481133-61-3 481133-62-4  
 481133-70-4 481134-93-4 481134-94-5 481134-96-7 481135-07-3  
 481135-94-8 481136-83-8 481137-03-5, GenBank BAA06626 481137-13-7  
 481137-22-8 481137-23-9 481137-34-2, L-histidine decarboxylase (human)  
 481137-54-6 481137-57-9 481138-12-9 481138-14-1 481138-46-9  
 481138-47-0 481138-55-0 481138-69-6 481139-37-1 481139-85-9,  
 GenBank BAA07508 481140-37-8 481140-39-0, GenBank AAA70417  
 481140-83-4 481140-89-0, GenBank BAA05124 481140-98-1, 5'-Nucleotidase  
 (human) 481140-99-2 481141-09-7 481141-11-1 481141-13-3  
 481141-23-5 481141-28-0 481141-29-1 481141-52-0 481142-07-8,  
 PK-120 precursor (human) 481143-01-5, Sky (human cell line HepG2 gene  
 sky) 481143-06-0 481143-08-2 481143-10-6 481143-14-0 481143-35-5  
 481143-50-4 481143-52-6 481143-57-1 481143-61-7 481143-87-7, Human  
 rab GDI (human) 481144-86-9, Carbamyl phosphate synthetase I (human)  
 481144-91-6 481144-97-2, LIMK-2 (human clone limk-2) 481145-06-6,  
 Protein (human 349-amino acid) 481145-07-7 481145-28-2 481145-31-7,  
 Protein (human 384-amino acid)

RL: BSU (Biological study, unclassified); PRP (Properties); BIOL  
(Biological study)  
(amino acid sequence; genes expressed in atherosclerotic tissue and  
their use in diagnosis and pharmacogenetics)

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.36	36.37

FILE 'REGISTRY' ENTERED AT 12:24:24 ON 21 MAR 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 19 MAR 2007 HIGHEST RN 927525-36-8  
DICTIONARY FILE UPDATES: 19 MAR 2007 HIGHEST RN 927525-36-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> S 480924-12-7/RN

L5 1 480924-12-7/RN

=> SET NOTICE 1 DISPLAY

NOTICE SET TO 1 U.S. DOLLAR FOR DISPLAY COMMAND  
SET COMMAND COMPLETED

=> D L5 SQIDE 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y  
THE ESTIMATED COST FOR THIS REQUEST IS 6.55 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N:y

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 480924-12-7 REGISTRY  
CN Malate dehydrogenase precursor (human gene MDH) (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1934: PN: WO03038130 FIGURE: 3 claimed protein  
CN 2041: PN: WO03091391 TABLE: 20 unclaimed protein  
CN 2376: PN: WO2004038376 TABLE: 5 unclaimed protein  
CN 4009: PN: US20040009481 TABLE: 1 claimed protein  
CN GenBank AAC03787  
CN GenBank AAC03787 (Translated from: GenBank AF047470)  
FS PROTEIN SEQUENCE  
SQL 338

PATENT ANNOTATIONS (PNTE):

Sequence	Patent
Source	Reference
Not Given	WO2003038130
	claimed
	FIGURE 3

```

SEQ      1  MLSALARPVS  AALRRSFSTS  AQNNAKVAVL  GASGGIGQPL  SLLLKNSPLV
      51  SRLTLYDIAH  TPGVAADLSH  IETKAAVKGY  LGPEQLPDCL  KGCDVVVIPA
     101  GVPRKPGMTR  DDLFNTNATI  VATLTAACAQ  HCPEAMICVI  ANPVNSTIPI
     151  TAEVFKKHGV  YNPKNIFGVT  TLDIVRANTF  VAEKGLDPA  RVNVPVIGGH
     201  AGKTIIP LIS  QCTPKVDFPQ  DQLTALTGRI  QEAGTEVVKA  KAGAGSATLS
     251  MAYAGARFV  SLVDAMNGKE  GVVECSFVKS  QETECTYFST  PLLLGKKGIE
     301  KNLGIGKVSS  FEEKMISDAI  PELKASIKKG  EDFVKTLK
  
```

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

```

MF  Unspecified
CI  MAN
SR  GenBank
LC  STN Files:  CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA  Caplus document type: Patent
RL.P  Roles from patents:  BIOL (Biological study); PRP (Properties)
      4 REFERENCES IN FILE CA (1907 TO DATE)
      4 REFERENCES IN FILE CAPLUS (1907 TO DATE)
  
```

=> SET NOTICE LOGIN DISPLAY

NOTICE SET TO OFF FOR DISPLAY COMMAND  
SET COMMAND COMPLETED

=>

=> d his

(FILE 'HOME' ENTERED AT 12:23:05 ON 21 MAR 2007)

FILE 'REGISTRY' ENTERED AT 12:23:15 ON 21 MAR 2007

```

L1      0 S KAKAGAGSATLSMAYAGARFVSLVDAMNGKEGVVECSFVKSQETECTYFSTPLLLGKKG I
L2      25 S KAKAGAGSATLSMAYAGARFVSLVDAMNGKEGVVECSFVKSQETECTYFSTPLLLGKKG I
  
```

FILE 'CAPLUS' ENTERED AT 12:23:42 ON 21 MAR 2007

```

L3      20 S L2
L4      3 S L3 NOT PY>2003
  
```

FILE 'REGISTRY' ENTERED AT 12:24:24 ON 21 MAR 2007

```

L5      1 S 480924-12-7/RN
      SET NOTICE 1 DISPLAY
      SET NOTICE LOGIN DISPLAY
  
```

=> s 15 and 12

```

L6      1 L5 AND L2
  
```

=> d sql seq

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
SQL 338

```

SEQ      1  MLSALARPVS  AALRRSFSTS  AQNNAKVAVL  GASGGIGQPL  SLLLKNSPLV
      51  SRLTLYDIAH  TPGVAADLSH  IETKAAVKGY  LGPEQLPDCL  KGCDVVVIPA
     101  GVPRKPGMTR  DDLFNTNATI  VATLTAACAQ  HCPEAMICVI  ANPVNSTIPI
     151  TAEVFKKHGV  YNPKNIFGVT  TLDIVRANTF  VAEKGLDPA  RVNVPVIGGH
     201  AGKTIIP LIS  QCTPKVDFPQ  DQLTALTGRI  QEAGTEVVKA  KAGAGSATLS
  
```

```

                == =====
251 MAYAGARFVF SLVDAMNGKE GVVECSFVKS QETECTYFST PLLLGKKGIE
=====
301 KNLGIGKVSS FEEKMISDAI PELKASIKKG EDFVKTLLK
=====

```

HITS AT: 239-310

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	12.57	48.94

STN INTERNATIONAL LOGOFF AT 12:25:02 ON 21 MAR 2007

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

```

NEWS 1      Web Page URLs for STN Seminar Schedule - N. America
NEWS 2      "Ask CAS" for self-help around the clock
NEWS 3 DEC 18 CA/CAPLUS pre-1967 chemical substance index entries enhanced
              with preparation role
NEWS 4 DEC 18 CA/CAPLUS patent kind codes updated
NEWS 5 DEC 18 MARPAT to CA/CAPLUS accession number crossover limit increased
              to 50,000
NEWS 6 DEC 18 MEDLINE updated in preparation for 2007 reload
NEWS 7 DEC 27 CA/CAPLUS enhanced with more pre-1907 records
NEWS 8 JAN 08 CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 9 JAN 16 CA/CAPLUS Company Name Thesaurus enhanced and reloaded
NEWS 10 JAN 16 IPC version 2007.01 thesaurus available on STN
NEWS 11 JAN 16 WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 12 JAN 22 CA/CAPLUS updated with revised CAS roles
NEWS 13 JAN 22 CA/CAPLUS enhanced with patent applications from India
NEWS 14 JAN 29 PHAR reloaded with new search and display fields
NEWS 15 JAN 29 CAS Registry Number crossover limit increased to 300,000 in
              multiple databases
NEWS 16 FEB 15 PATDPASPC enhanced with Drug Approval numbers
NEWS 17 FEB 15 RUSSIAPAT enhanced with pre-1994 records

```